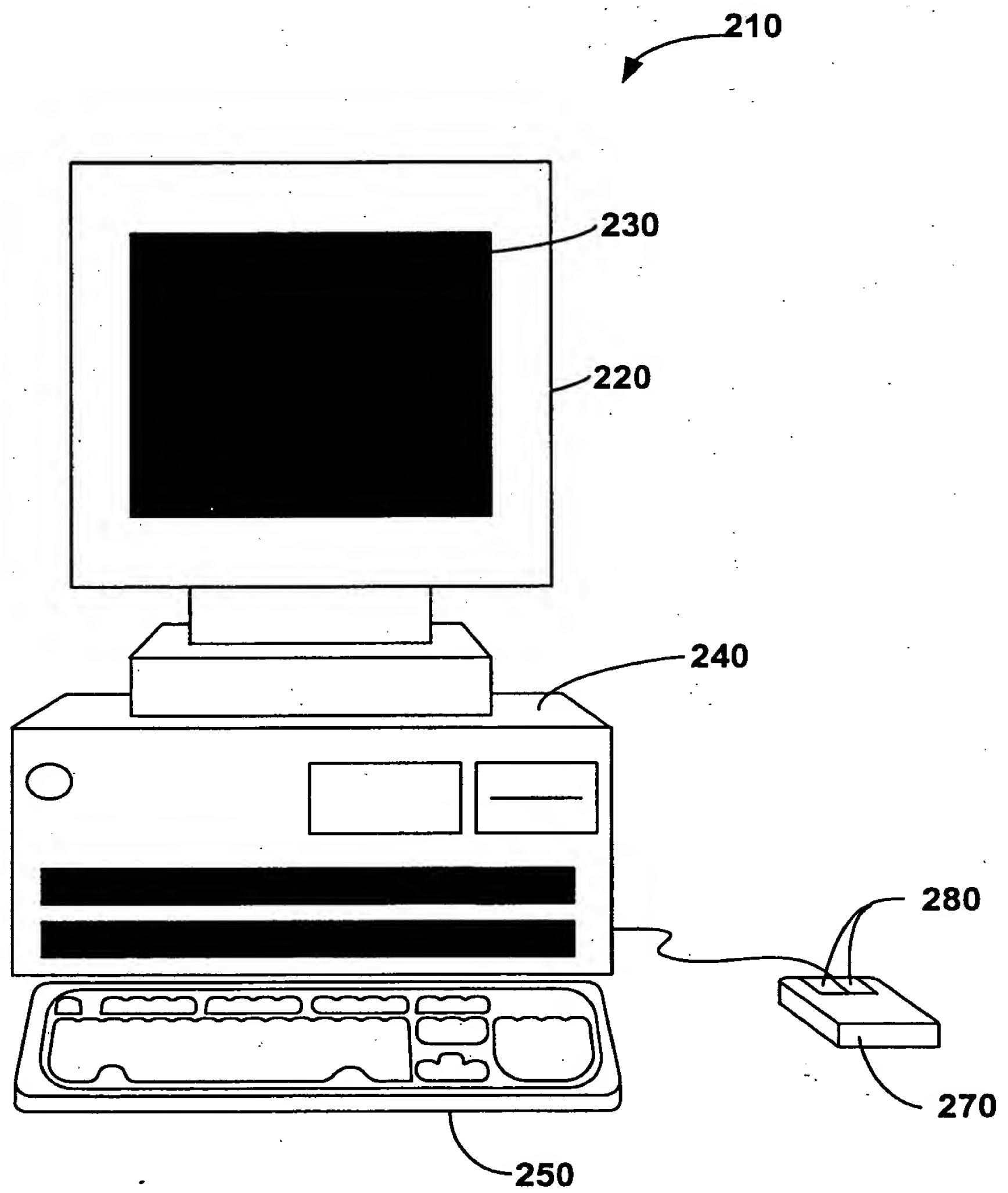
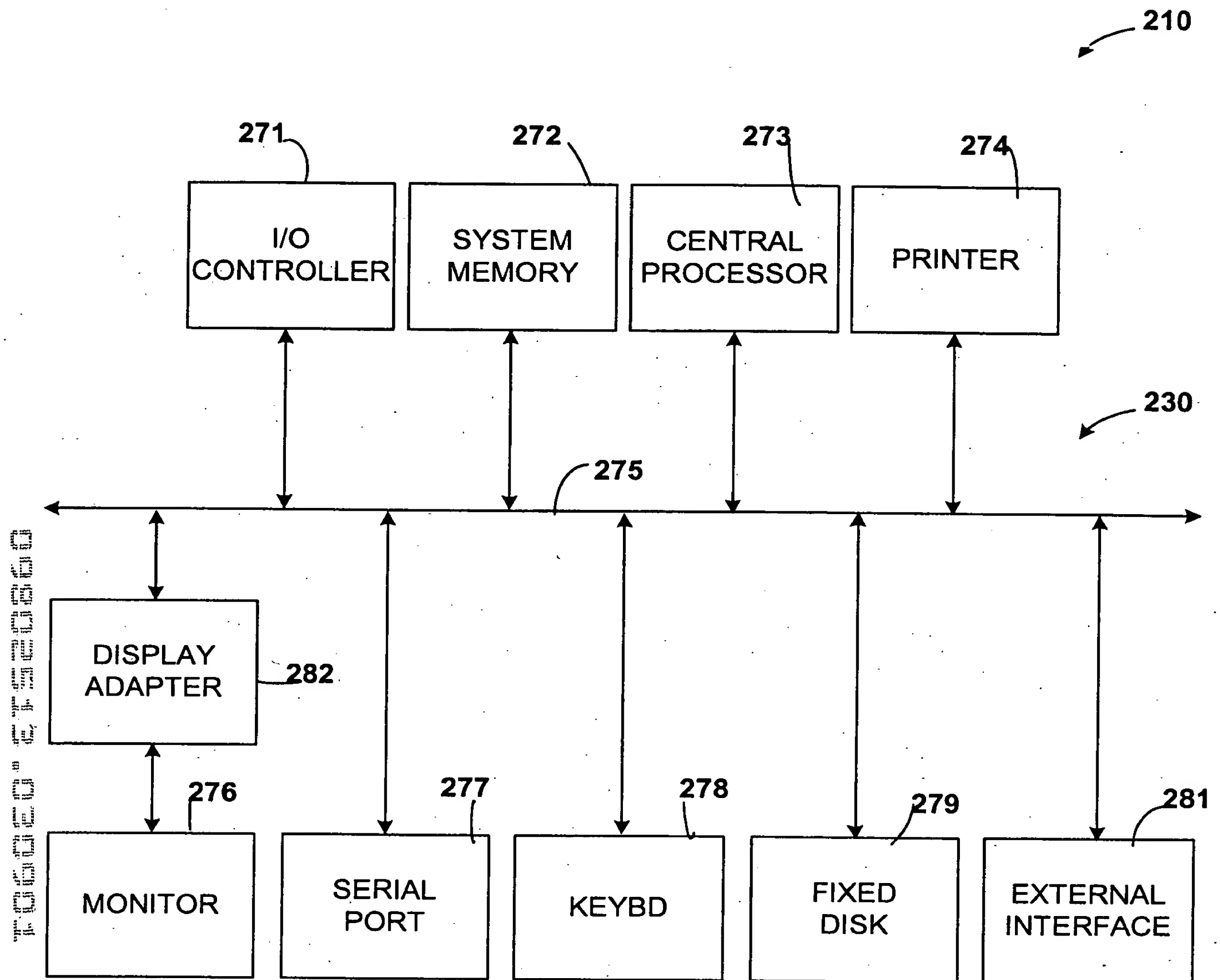


**FIG. 1**

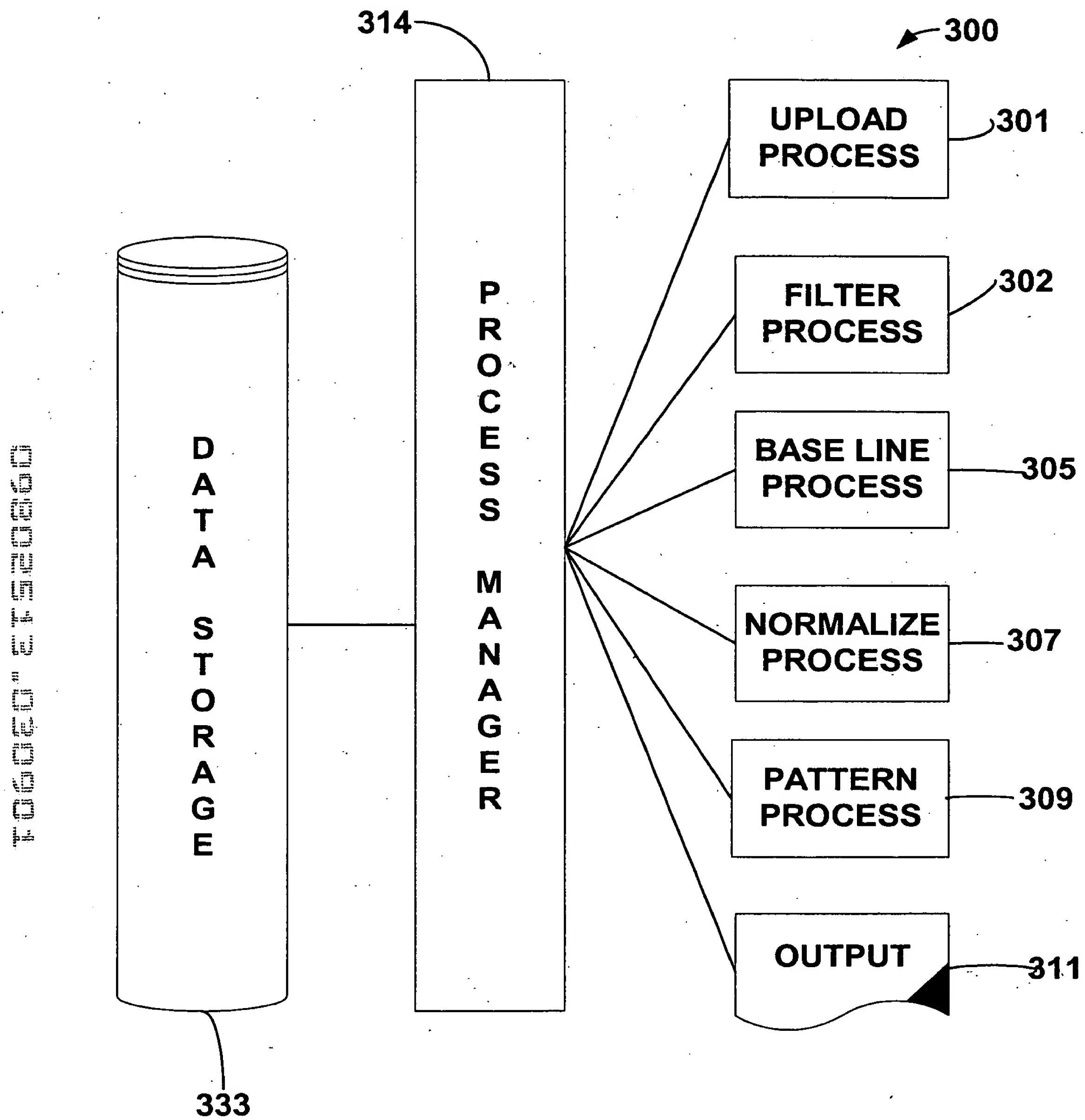
FIG. 2



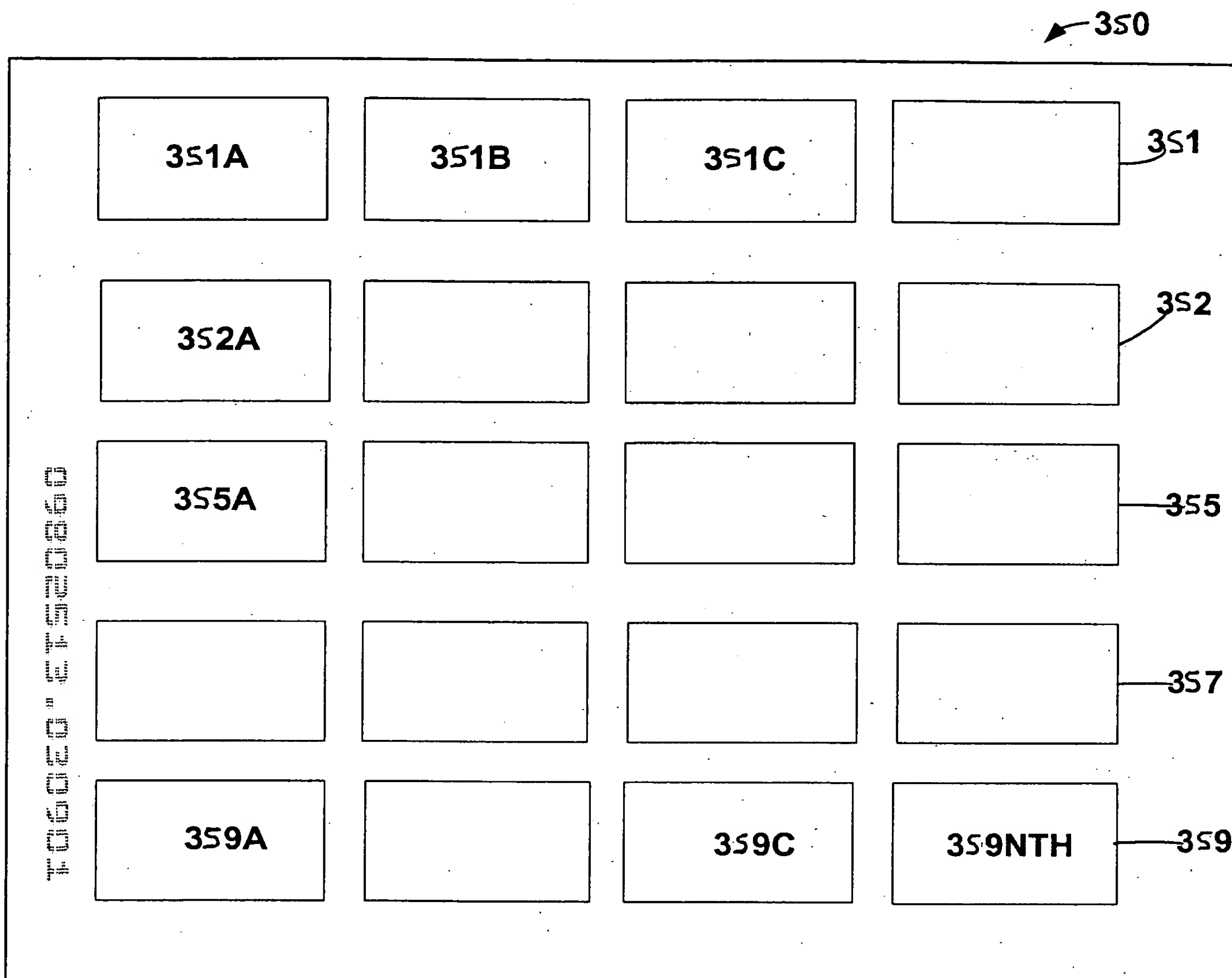
**FIG. 2**



**FIG. 2A**



**FIG. 3**



**FIG. 3A**

400

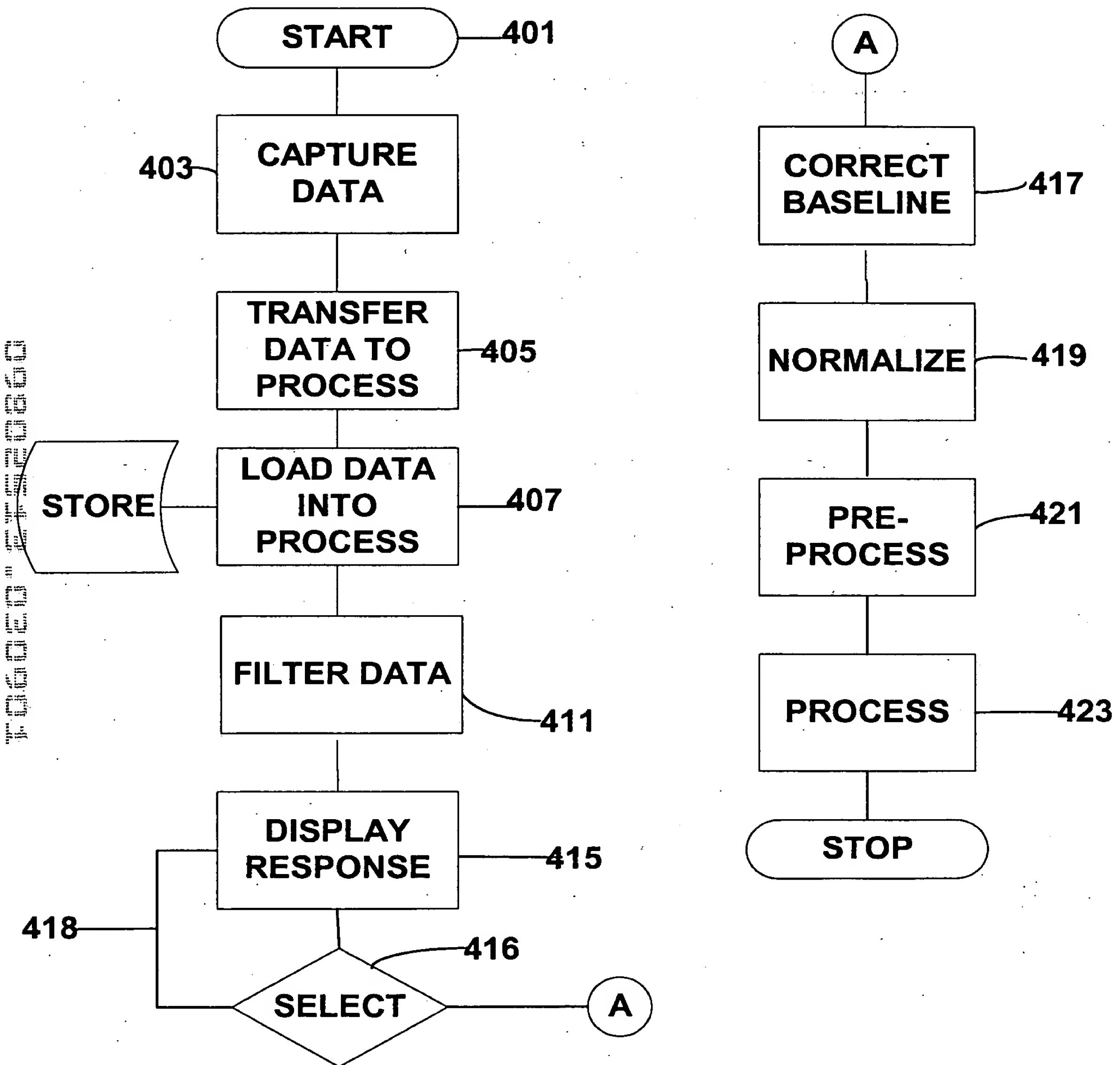
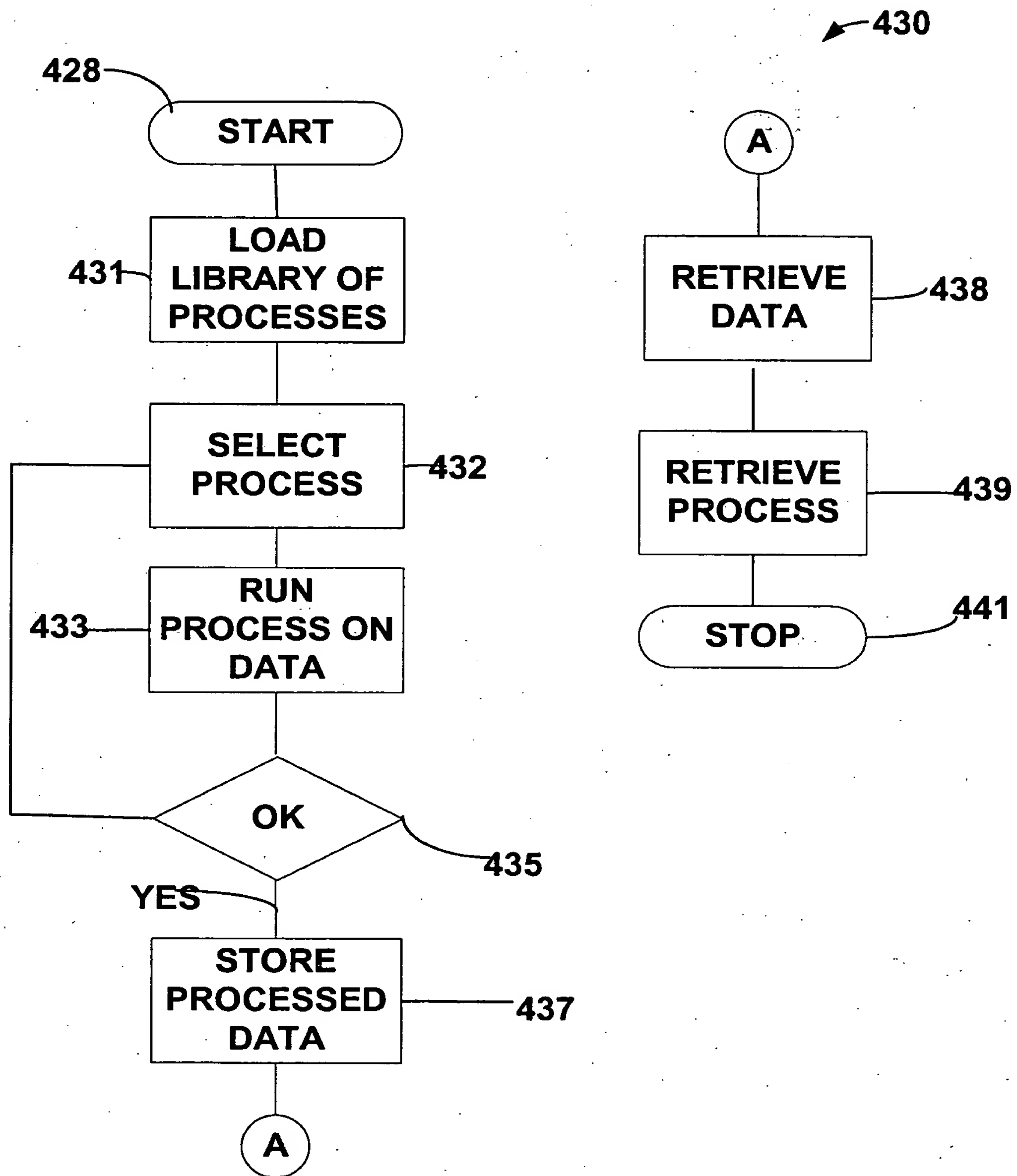
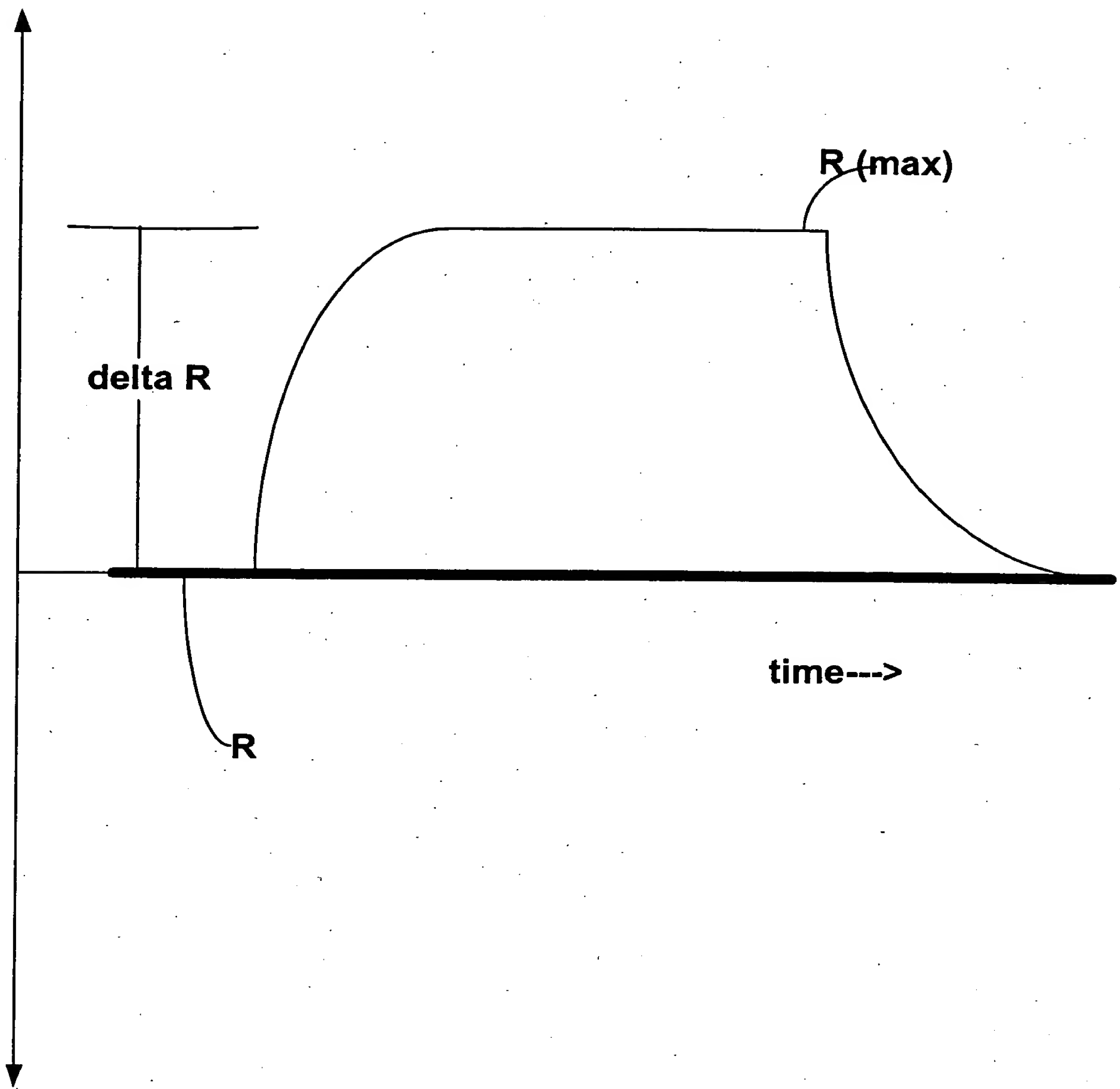


FIG. 4A



**FIG. 4B**

FIG. 4C



**FIG. 4C**



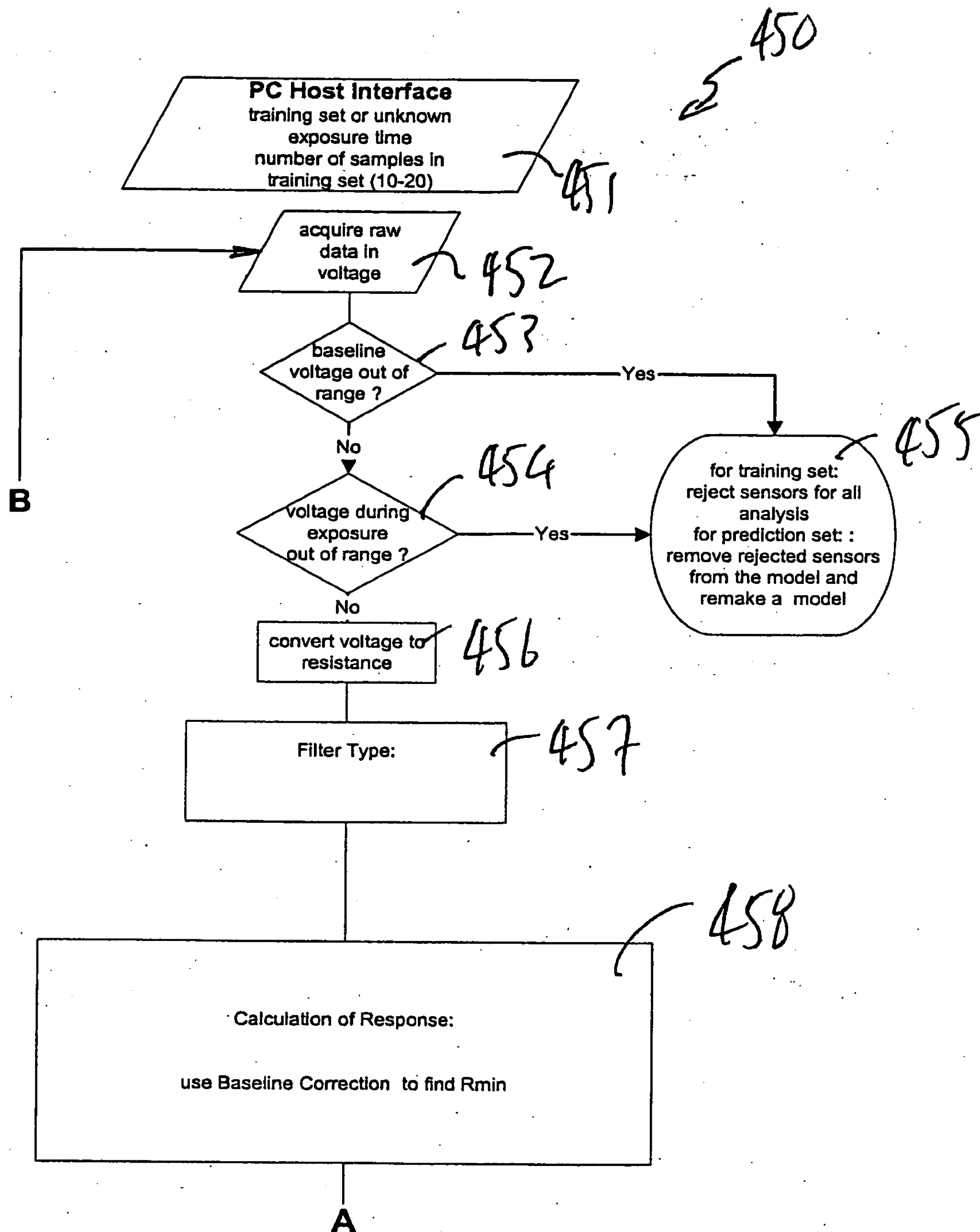


FIG. 4D

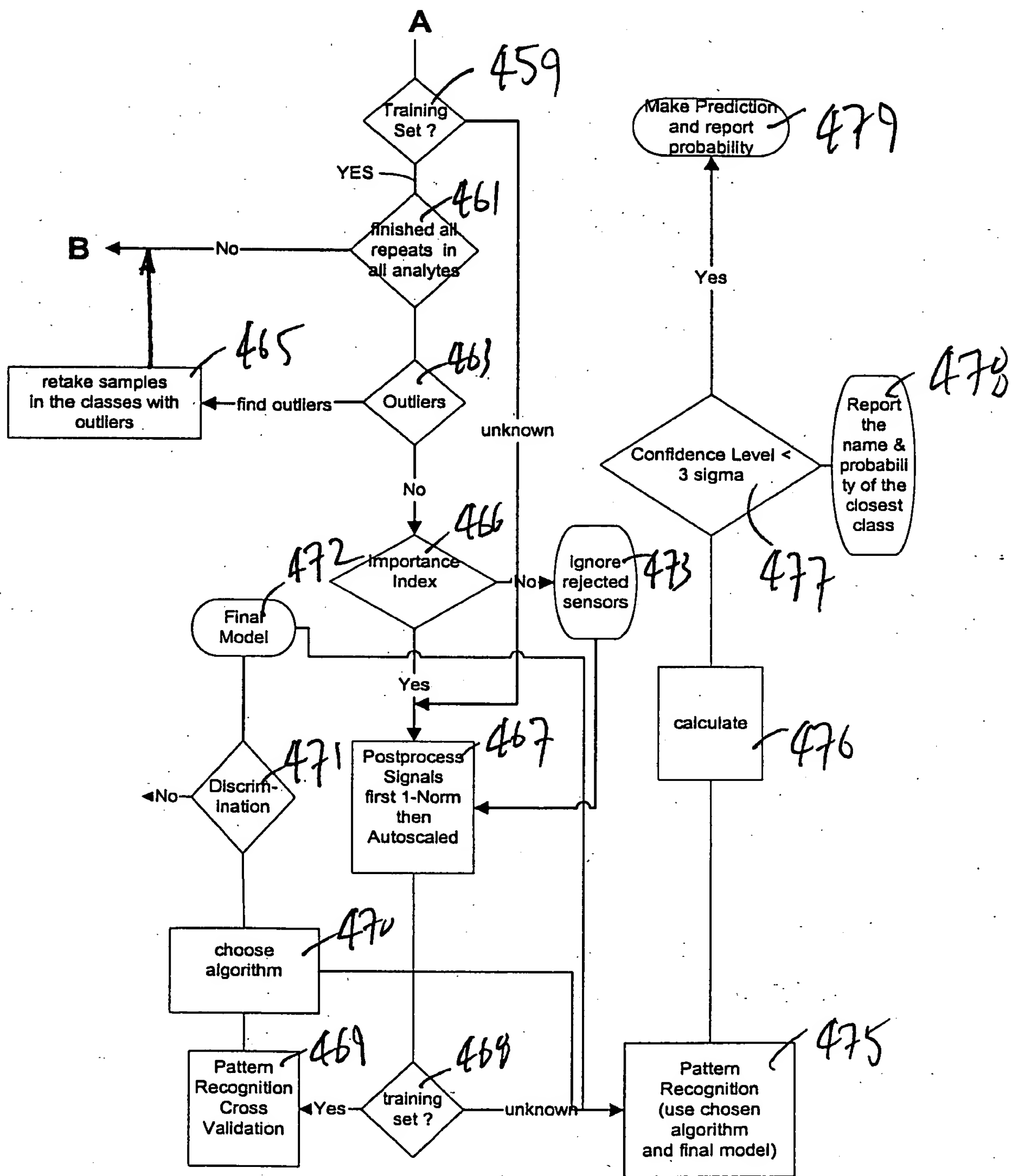


FIG. 4E

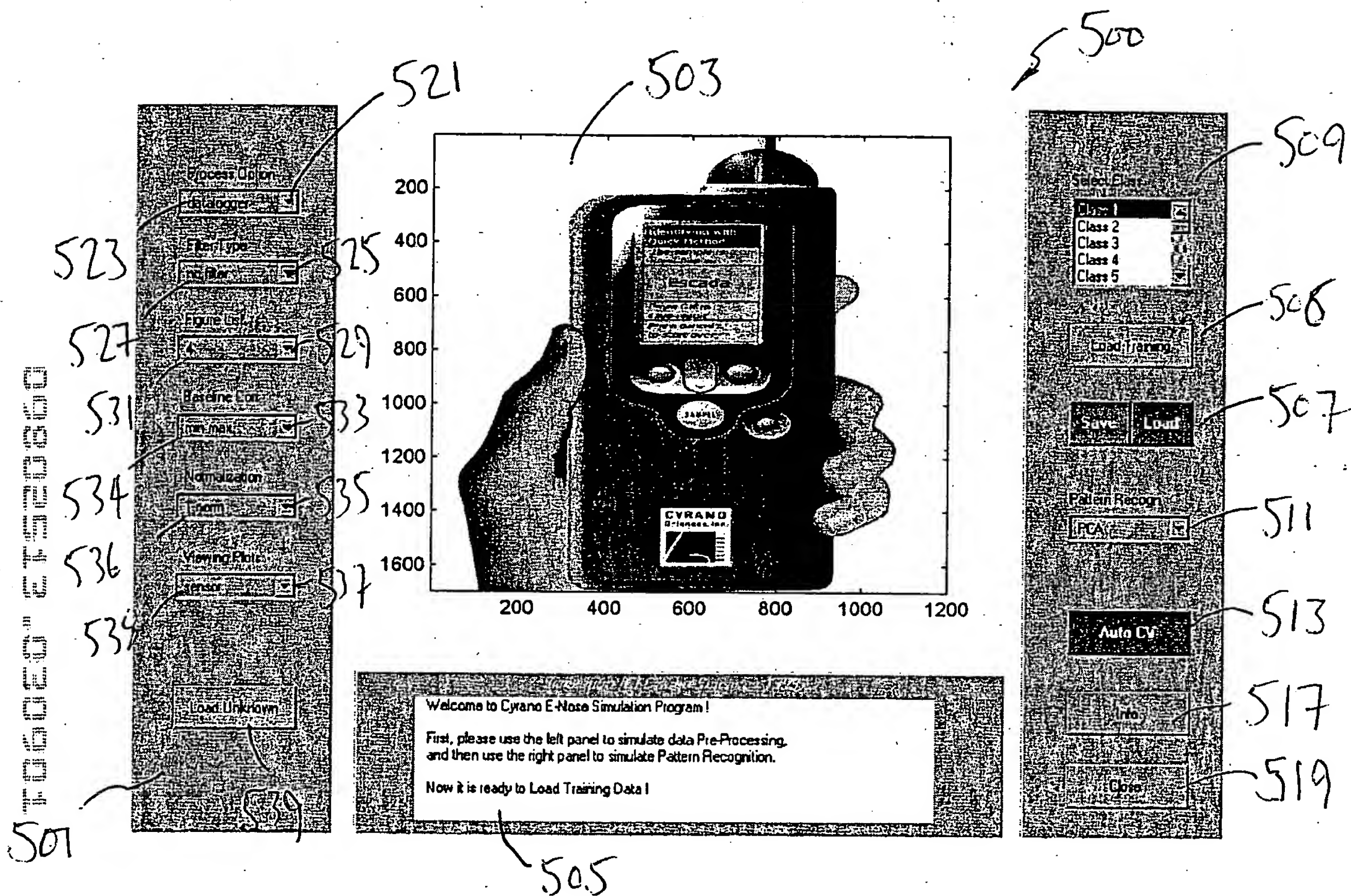


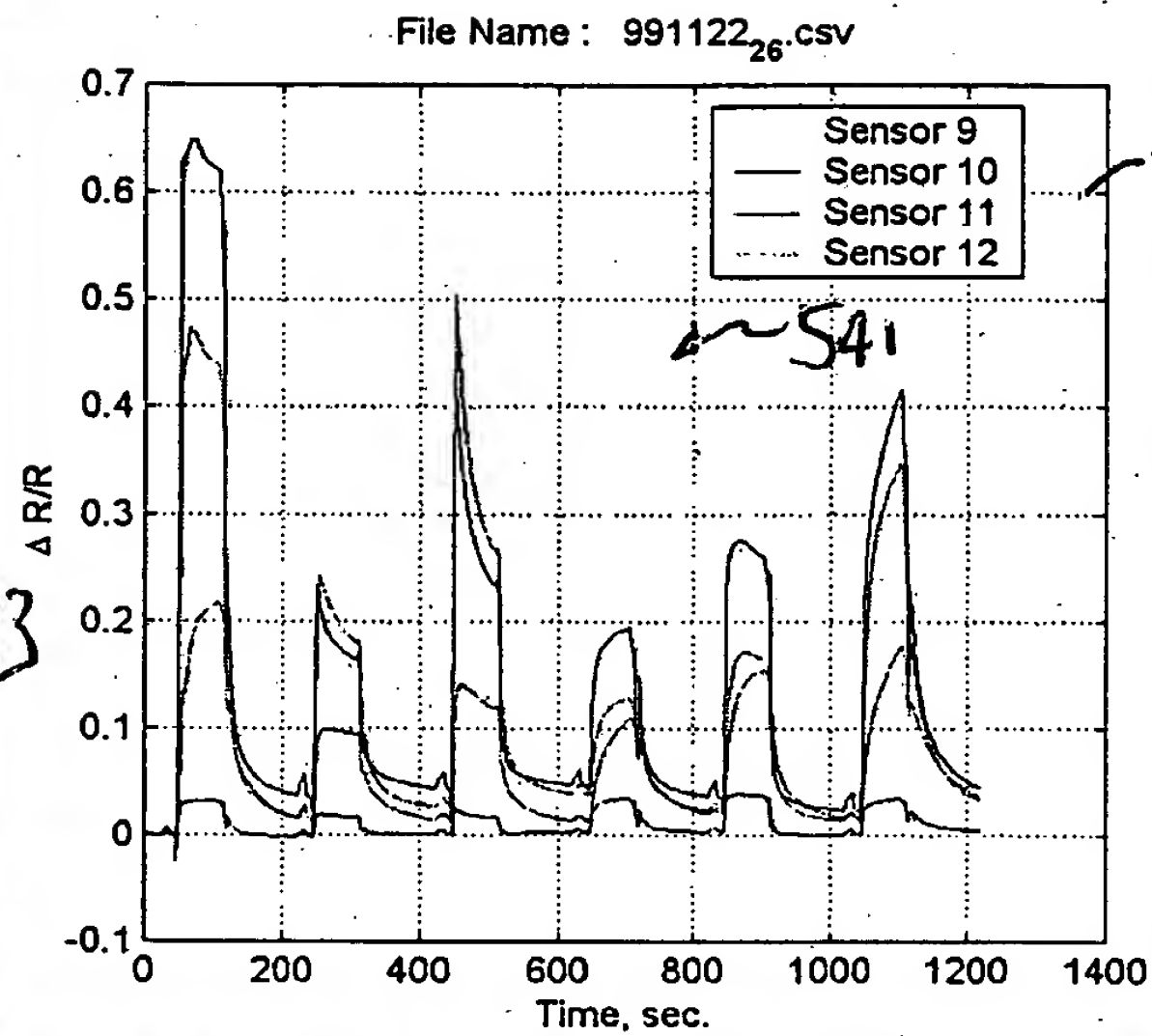
FIG. 5A

106020 0000000000

534

Process Option:  
☐ Data Logger  
☐ Symbol Plot  
☐ Force  
☐ Baseline Corr.  
☐ Normalization  
☐ Viewing Plot  
☐ Load Unknown

533



503

541

Response plot of sensors is Done!  
You may want to see another plot of sensor responses,  
or go to the next step to do the baseline correction.

Select Class:  
☐ Class 1  
☐ Class 2  
☐ Class 3  
☐ Class 4  
☐ Class 5  
☐ Load Training  
☐ Save  
☐ Load  
☐ Pattern Recognition  
☐ PCA  
☐ Auto CV  
☐ No  
☐ Close

FIG. 5B



FILED 07-03-00

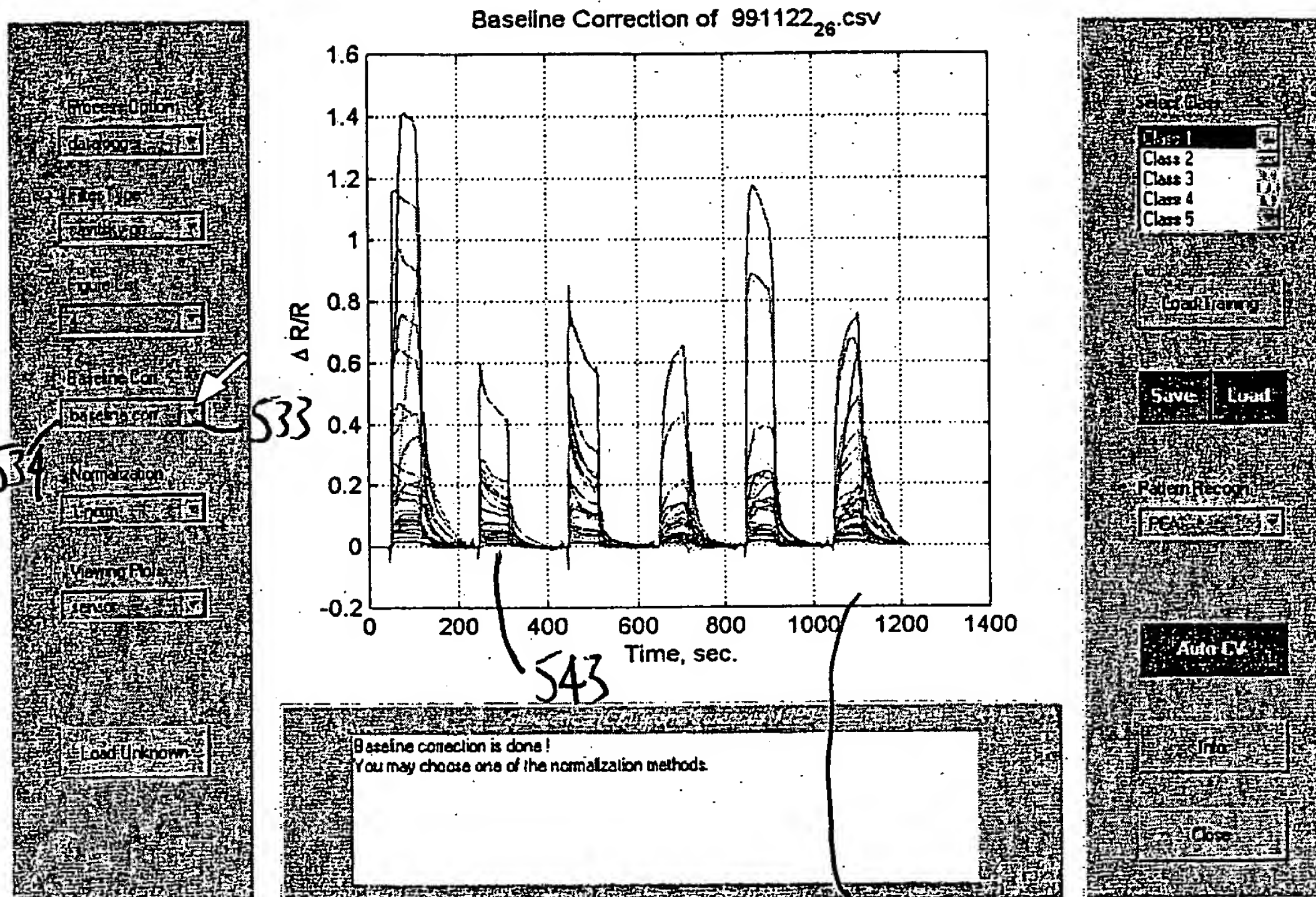


FIG. 5C

536



Fig. 5D

106020" 2520360

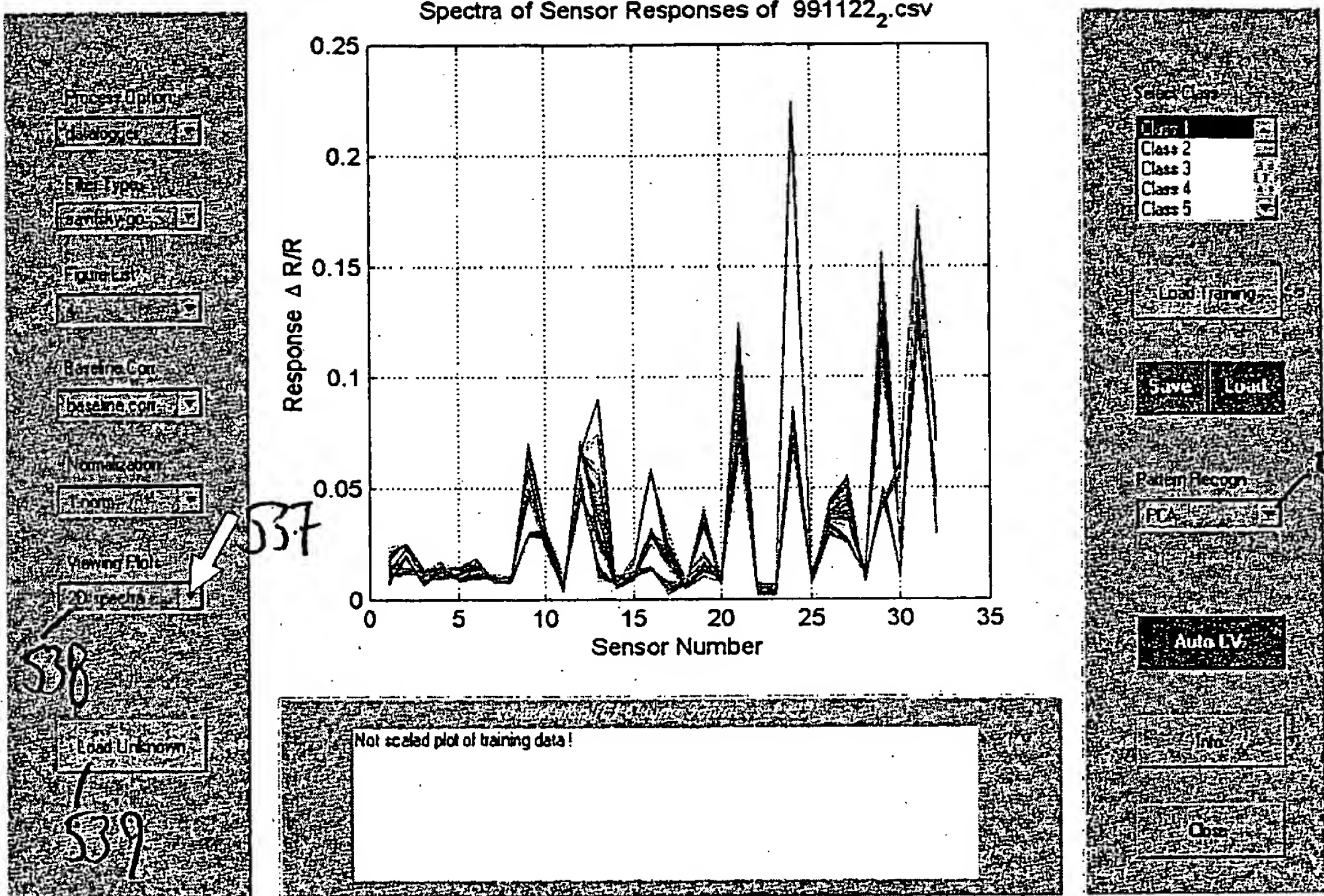


FIG. 5E



FIG. 5F

550

Var: trainpk Data: modeled (calibration set) Size: 60 rows x 32 cols Samp Lbls: label Var Lbls:		Model: calibrated on loaded data PC(s): 4 Data: 60 sams x 32 vars Scaling: autoscaled	
Number of PCs Selected:		4	
Percent Variance Captured by PCA Model			
Principal Component	Eigenvalue of Cov(X)	% Variance This PC	% Variance Cumulative
1	1.51e+001	47.24	47.24
2	1.07e+001	33.36	80.60
3	3.54e+000	11.06	91.65
4	1.41e+000	4.40	96.05
5	4.38e-001	1.37	97.42
6	3.02e-001	0.94	98.36
7	2.04e-001	0.64	99.00
8	9.03e-002	0.28	99.28
9	5.73e-002	0.18	99.46
10	3.70e-002	0.12	99.57
11	2.74e-002	0.09	99.66
12	2.30e-002	0.07	99.73
13	2.00e-002	0.06	99.79
14	1.51e-002	0.05	99.84
15	1.34e-002	0.04	99.88
16	1.07e-002	0.03	99.92

scale

apply

plots

eigen

scores

loads

biplot

data

557

558

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551

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556

561

563

FIG. 5F





FOUO ET 50000

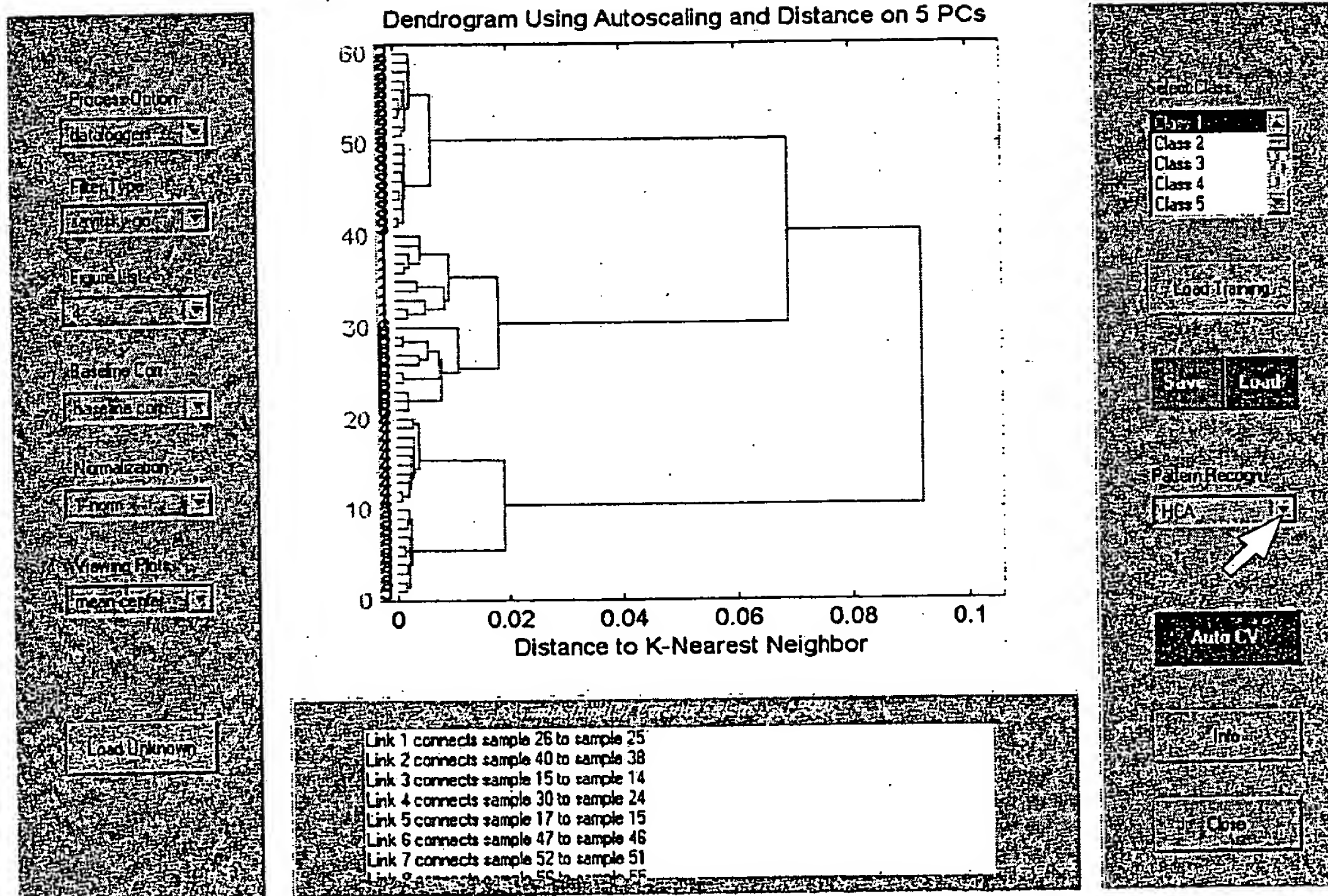


FIG. 5H



FOI b 7 c 1 b 7 d

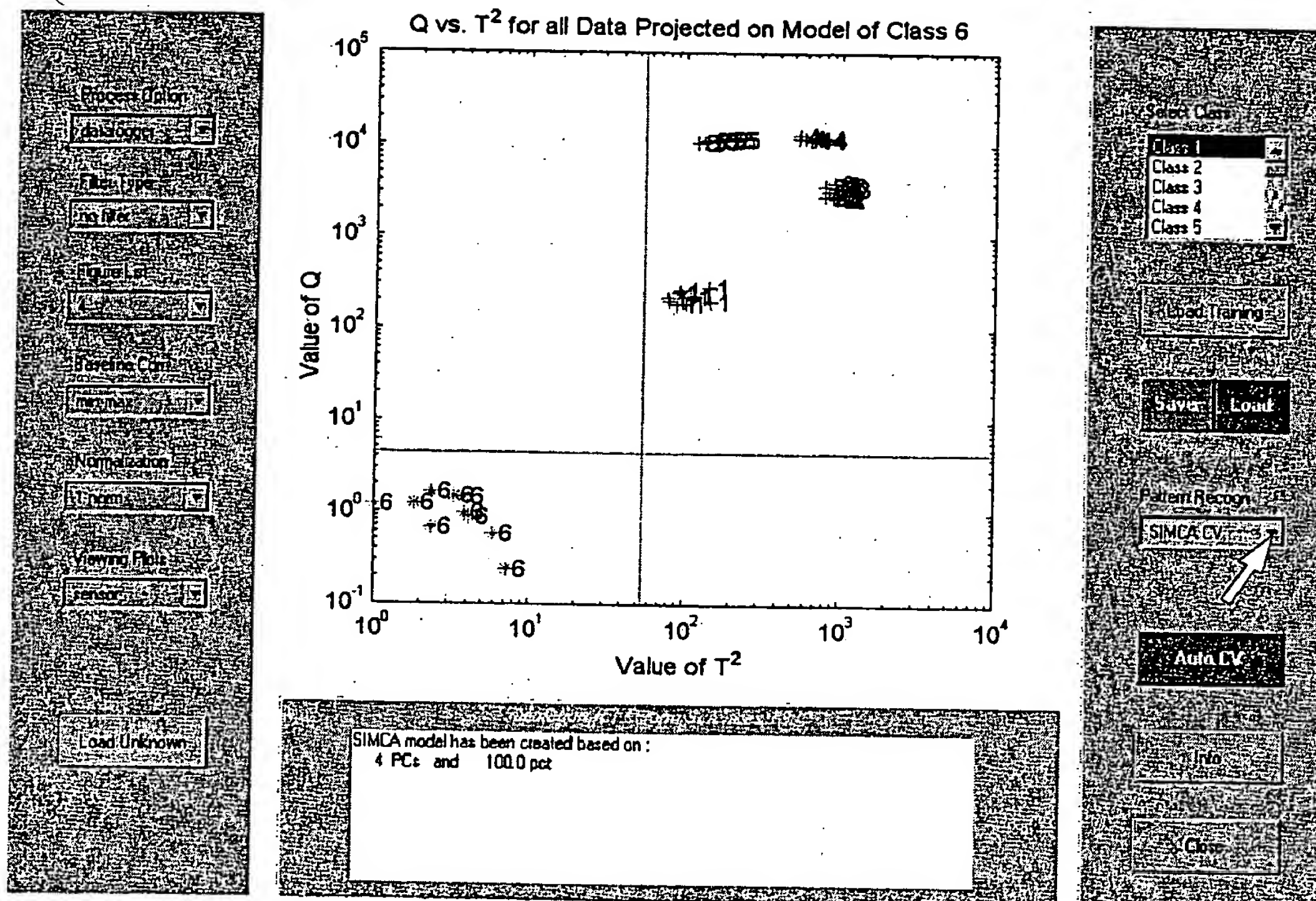


FIG. 5J

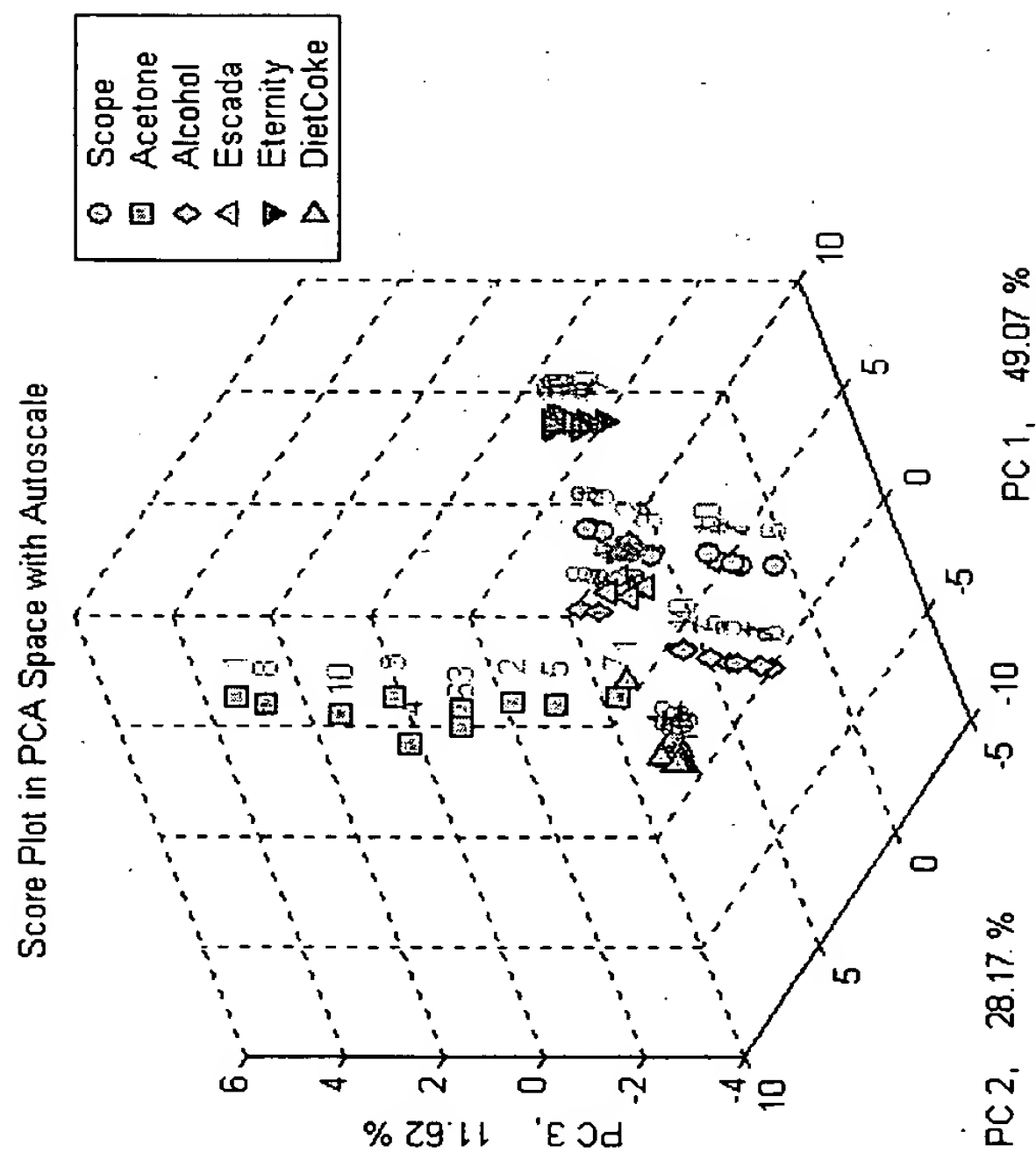


FIG. 5K



SCANNED. # 14

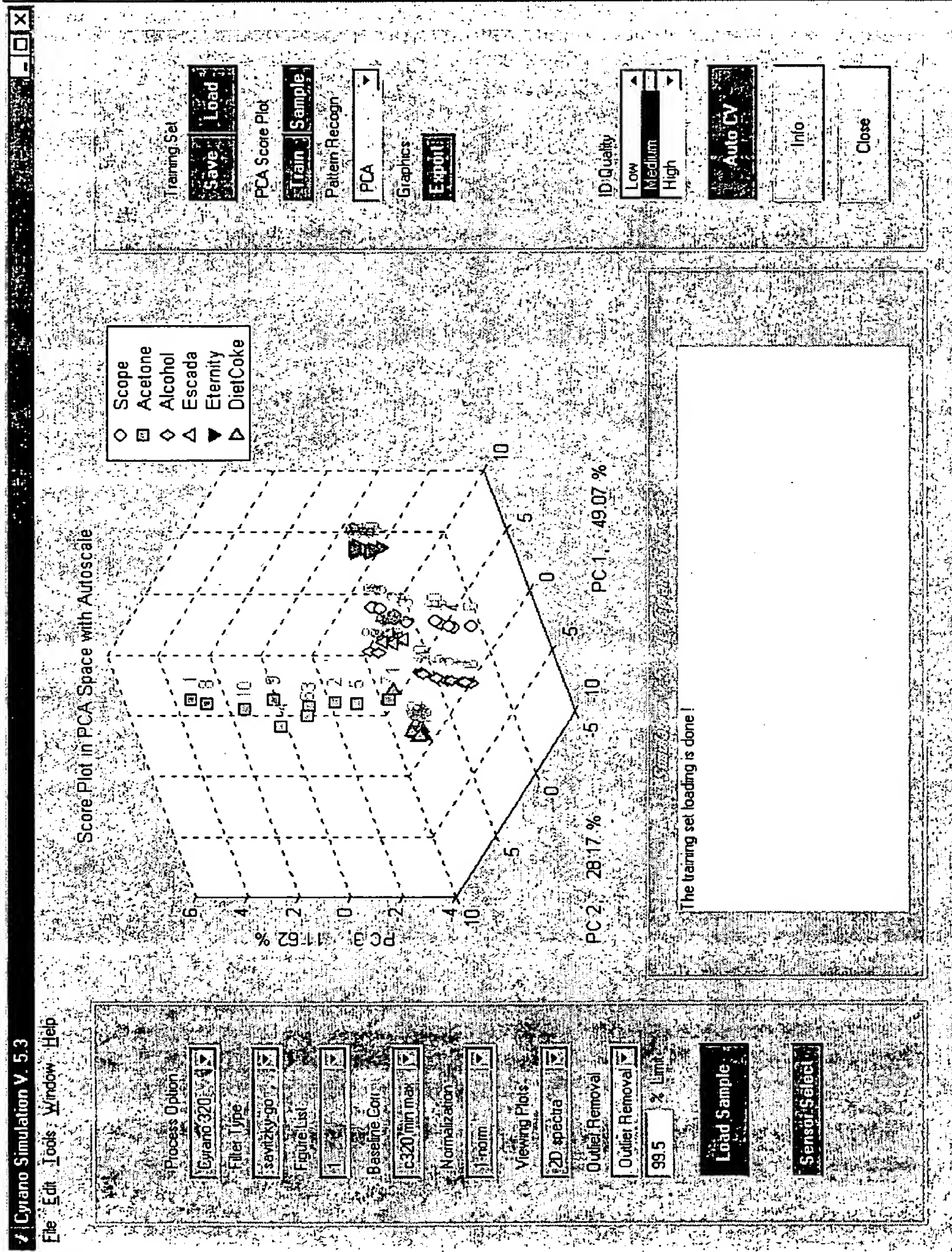


FIG. 5L